ECE 345 / ME 380: Introduction to Control Systems Collaborative Quiz #2 Grading Sheet

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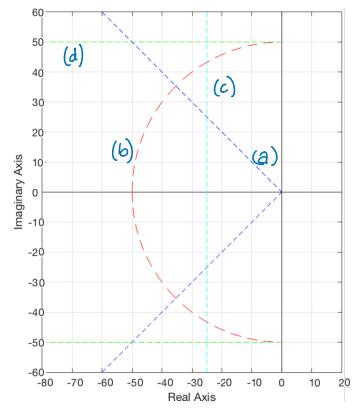
This quiz is open-note and open-book. Computational tools (Matlab, calculators) are allowed. No partial credit will be awarded. For each of the questions, clearly write the correct answer.

In-Class Questions

1. A, B, C 2. B, D

3.

- (a) Damping ratio $\zeta = 1/\sqrt{2}$
- (b) Natural frequency $\omega_n = 50$
- (c) Settling time $T_s = 0.16$ seconds
- (d) Peak time $T_p = \pi/50 \approx 0.06$ seconds



	A								
5.	K = 50	12 is	the	most	suit	able	respon	se	be cause
	K= 40								
	require						0		

Statement of Effort

By signing below, I pledge that I have written this quiz as per the indicated instructions, and fully participated in the group.

Leader: Charged with keeping the group on task to complete the allotted work.

Recorder: Keeps an organized written record of the group's ideas and copies the group's answers to the grading sheet.

Monitor: Tasked with monitoring all group member's learning, and informing the leader when the pace is too slow / too fast and impairing group learning.